Author Index of Volume 34

Abe, M., 337
Afzal, J., 385
Alvernhe, G., 147
Anderskweitz, R., 46
Ando, T., 271, 323

Banks, R. E., 275, 281
Barnes, R. N., 59
Bollens, E., 265
Bollmann, G., 475
Bougon, R. A., 287
Boutevin, B., 167
Breuer, W., 443
Brooke, G. M., 117
Burdon, J., 471
Burton, V. L., 365
Buss, C. W., 83

Cambon, A., 265
Carluccio, L., 157
Chambers, R. D., 59
Charpin, P., 287
Chen, G. J., 299
Chen, L. S., 299
Christe, K. O., 287
Coe, P. L., 83, 191
Commeyras, A., 421
Conte, L., 183
Cook, M. I., 191

Dědek, V., 241
de Munari, S., 157
Družina, B., 233

Easdon, J. C., 365
Edwards, A. J., 471
Edwards, P. N., 191
Emeléus, H. J., 46
Emson, B., 471

Falou, M. S., 259
Faustini, F., 157
Fraccaro, C., 183
Frohn, H. J., 73, 129, 443
Fung, B. M., 385

Gantar, D., 63
Gombler, W., 475
Goodchild, N. J., 191
Gregorčič, A., 313
Griffith, J. R., 361
Grimmer, A.-R., 347
Gupta, K. D., 453

Hartmann, G., 46
Haufe, G., 147
Havlíček, J., 241
Hemer, I., 241
Hewitt, C. D., 59

Irvin, C. M., 259
Ishihara, T., 271, 323

Jackson, D., 259
Jenq Tain Lin, 461
Jost, K.-H., 347

Khawli, L. A., 365
Kitazume, T., 461
Klyba, L. V., 209
Kojima, M., 337

Laurent, A., 147
Long, D. M., 365
Lopyrev, V. A., 209

Maeda, M., 337
Maekawa, T., 271, 323
Malik, A. A., 365, 395, 409
Marazzi, G., 157
Margaretha, P., 105
Maurer, H., 73, 129
Medvedeva, E. N., 209
Mews, R., 46
Mistrorigo, M., 183
Mohialdin, S. N., 275
Mokrosz, M. J., 201
Moreau, P., 421
Müller, D., 347

Naji, N., 421
Napoli, M., 183
Neels, J., 347
Niemeyer, M., 46
Oberhammer, H., 46
O'Rear, E. A., 385

Palavit, G., 229
Pietrasanta, Y., 167
Plews, G., 117
Porter, M. K., 365

Qing-Yun Chen, 255

Rahten, A., 63
Romans, J. B., 361
Rouvier, E., 265
Ryan, M. T., 299

Semisch, C., 105
Semmoud, A., 229
Sharts, C. M., 365, 395, 409
Sheldrick, G. M., 46
Shellhamer, D. F., 365
Shreeve, J. M., 453
Sprague, L. F., 365
Sundermeyer, W., 251

Tamborski, C., 299
Tatlow, J. C., 83
Tipping, A. E., 259
Trabelsi, H., 265
Tsiliopoulos, E., 281

Vast, P., 229
Villa, V., 157
Vitkovskii, V. Yu., 209
Voronkov, M. G., 209

Wilson, W. W., 287
Witz, M., 251

Ya-Bo He, 255
Yamasaki, Y., 271, 323
Youssef, B., 167
Yushmanova, T. I., 209

Žemva, B., 233
Zhen-Yu Yang, 255
Zupan, M., 313

© Elsevier Sequoia/Printed in The Netherlands

Subject Index of Volume 34

Alkenes
new effective method for synthesis of 1H-F-1-alkene-1-phosphonates from F-alkanoic acid chlorides, 271
iron-catalyzed addition reaction of fluoroalkyl iodides to alkenes, 255
Amides
syntheses of perfluoroalkyl N-polyethoxylated amides, 385
Amines
comparison of triboelectric charging of poly(tetrafluoroethylene) and an amine-cured fluoroepoxy resin, 361
electrochemical fluorination of some cyclic tertiary amines, 183
Antimony compounds
chemistry of iodopentafluoride; IF_5 as an oxidising fluorinating-agent for element-organic compounds of As, Sb and Bi, 129
preparation and characterization of $Ni(SbF_6)_2$, 287
Arsenic compounds
chemistry of iodopentafluoride; IF_5 as an oxidising fluorinating-agent for element-organic compounds of As, Sb and Bi, 129

Benzenes
reaction of perfluoro(2,4-dimethyl-3-oxa-2,4-diazapentane) with monohalogenobenzenes, 259
Bile acids
perfluoroalkyl esters of sterols and, 395
Bismuth compounds
chemistry of iodopentafluoride; IF_5 as an oxidising fluorinating-agent for element-organic compounds of As, Sb and Bi, 129
Bromine compounds
bromofluorination of double bonds using N-bromoimides and tetra-*n*-butylammonium fluoride as a source of fluoride, 337
chemistry of bromopentafluoride; pentafluorophenylbromo(V)tetrafluoride, 443
synthesis of perfluoroalkyl steroids as co-emulsifying agents for 1-bromoperfluorooctane and other perfluorocompounds, 365
Butane
reactions of tetrafluoroethene oligomers; some reactions of 4-diazo-1,1,1,2,2-pentafluoro-3-pentafluoroethyl-3-trifluoromethylbutane, 191

Carbon
photochemistry of organohalogeno-compounds; effect of fluorine on photochemical carbon–halogen bond cleavage, 313
Carboxylic acids
fluorinated alkane-; mass spectra of hydrazides and alkylhydrazides of, 209
Chlorine compounds
3,3-difluorochlorambucil, 83
new effective method for synthesis of 1H-F-1-alkene-1-phosphonates from F-alkanoic acid chlorides, 271
reaction of F-alkanoic acid chlorides with trialkyl phosphites leading to 1-(dialkoxyphosphinyl)oxy-F-1-alkenephosphonates or 1-(dialkoxyphosphinyl)oxo-1H-F-alkanephosphonates, 323
Crystallography
and high-resolution solid-state NMR investigations on $K_3F(PO_3F)$, 347
Cyclohexenone
photochemistry of 6-trifluoromethyl-2-cyclohexenone, 105
Cyclooctene compounds
reactions of, with fluorinating agents, 147

Dimers
ylidenemalononitrile; trifluoromethanesulphenylation of; syntheses with unsaturated nitriles, 201
Dipolarophiles
fluorinated; synthesis of indolizines from pyridinium (trifluoroacetyl)methylide and, 275
Directed resolution
of 2-fluoro-2-methylhexanoic acid, 157

© Elsevier Sequoia/Printed in The Netherlands

Emulsifying agents
co-; synthesis of perfluoroalkyl steroids as, for 1-bromoperfluorooctane and other perfluorocompounds, 365
Esters
perfluoroalkyl, of sterols and bile acids, 395
synthesis and reactions of perfluoroalkyl-ether Grignard reagent containing a functional ester group, 299
Ethers
perfluoroalkenyl ethers of simple sterols, 409
synthesis and reactions of perfluoroalkyl-ether Grignard reagent containing a functional ester group, 299

Fluorides

Bromofluorination of double bonds using N-bromoimides and tetra-*n*-butylammonium fluoride as a source of fluoride, 337
Crystallography and high-resolution solid-state NMR investigations on $K_3F(PO_3F)$, 347
Reactions of trifluoromethylsulphenylfluoride with olefins and fluorolefins, 475

tetra-

Chemistry of bromopentafluoride; pentafluorophenylbromo(V)tetrafluoride, 443

penta-

Chemistry of bromopentafluoride; pentafluorophenylbromo(V)tetrafluoride, 443
Chemistry of iodopentafluoride:
IF_5 as an oxidising fluorinating-agent for elementorganic compounds of As, Sb and Bi, 129
IF_5 – selective oxidising fluorinating-agent for organophosphorus(III) compounds, 73

hexa-

Preparation and characterization of $Ni(SbF_6)_2$, 287

Fluorination

Bromo-, of double bonds using N-bromoimides and tetra-*n*-butylammonium fluoride as a source of fluoride, 337
Chemistry of iodopentafluoride:
IF_5 as an oxidising fluorinating-agent for elementorganic compounds of As, Sb and Bi, 129
IF_5 – selective oxidising fluorinating-agent for organophosphorus(III) compounds, 73
Electrochemical, of some cyclic tertiary amines, 183
Polymeric analogues of electrophilic fluorinating agents of N–F class, 281
Reactions of cyclooctene compounds with fluorinating agents, 147

Fluorine

Is fluorine gas really yellow?, 471
Photochemistry of organohalogeno-compounds; effect of fluorine on photochemical carbon–halogen bond cleavage, 313
Polymeric analogues of electrophilic fluorinating agents of N–F class, 281
Reactions involving fluorine ion; novel ring contraction, 59

Fluoro-compounds

Comparison of triboelectric charging of poly-(tetrafluoroethylene) and an amine-cured fluoroepoxy resin, 361
Crystallography and high-resolution solid-state NMR investigations on $K_3F(PO_3F)$, 347
Directed resolution of 2-fluoro-2-methylhexanoic acid, 157
New effective method for synthesis of 1H-F-1-alkene-1-phosphonates from F-alkanoic acid chlorides, 271
Fluorohalogeno compounds; sonochemical approach to 3,3,3-trifluoropropionic acids, 241
Iron-catalyzed addition reaction of fluoroalkyl iodides to alkenes, 255
Mass spectra of hydrazides and alkylhydrazides of fluorinated alkanecarboxylic acids, 209
Partially fluorinated heterocyclic compounds; thermolysis reactions of 1,3,4,5,6,7,8-heptafluoro-2-naphthyl prop-2-enyl sulphide and 1,3,4,5,7,8-hexafluoro-2,6-di(prop-2-enylthio)naphthalene in NN-diethylaniline and related reactions with 1,3,4,5,6,7,8-heptafluoro-1-(prop-2-enyl)naphthalen-2-one and 2,3,4,5,6-pentafluoro-4-(prop-2-enyl)2,5-cyclohexadienone, 117
Perfluoroalkyl- and fluorocarbonyl-hydrazines, 251
Preparation of fluorinated disiloxanes, 167
Reaction of F-alkanoic acid chlorides with trialkyl phosphites leading to 1-(dialkoxyphosphinyl)oxy-F-1-alkenephosphonates or 1-(dialkoxyphosphinyl)oxy-1H-F-alkanephosphonates, 323
Reactions of trifluoromethylsulphenylfluoride with olefins and fluorolefins, 475

Reactivity of F-alkyl iminophosphoranes; synthesis of F-alkyl β-diketones, 265
Syntheses of F-alkyl ketones, 421
Synthesis:
of indolizines from pyridinium (trifluoroacetyl)methylide and fluorinated dipolarophiles, 275
of xenon(II) fluorostannates(IV), 233

mono-

Preparation of monofluorotrioxophosphoric acid H_2PO_3F from difluorodioxophosphoric acid HPO_2F_2, 229

di-

3,3-Difluorochlorambucil, 83
Preparation of monofluorotrioxophosphoric acid H_2PO_3F from difluorodioxophosphoric acid HPO_2F_2, 229

tri-

Fluorohalogeno compounds; sonochemical approach to 3,3,3-trifluoropropionic acids, 241
Some new highly substituted trifluoromethyl sulphuranes, 453
Photochemistry of 6-trifluoromethyl-2-cyclohexenone, 105
Reactions:
of tetrafluoroethene oligomers; some reactions of 4-diazo-1,1,1,2,2-pentafluoro-3-pentafluoroethyl-3-trifluoromethylbutane, 191
of trifluoromethylsulphenylfluoride with olefins and fluorolefins, 475
Syntheses with unsaturated nitriles; trifluoromethanesulphenylation of ylidenemalononitrile dimers, 201
Synthesis of indolizines from pyridinium (trifluoroacetyl)methylide and fluorinated dipolarophiles, 275
Synthetic approach to optically pure trifluoromethylated compounds, 461
Thiazyl-[bis(trifluoromethyl)nitroxide] and tris{thiazyl-[bis(trifluoromethyl)-nitroxide]}, 46

tetra-

Comparison of triboelectric charging of poly(tetrafluoroethylene) and an amine-cured fluoroepoxy resin, 361
Reactions of tetrafluoroethene oligomers; some reactions of 4-diazo-1,1,1,2,2-pentafluoro-3-pentafluoroethyl-3-trifluoromethylbutane, 191

penta-

Chemistry of bromopentafluoride; pentafluorophenylbromo(V)tetrafluoride, 443
Reactions of tetrafluoroethene oligomers; some reactions of 4-diazo-1,1,1,2,2-pentafluoro-3-pentafluoroethyl-3-trifluoromethylbutane, 191

hexa-

Thermal decomposition of hydrazinium(2+) hexafluorozirconate(IV) and hexafluorohafnate(IV), 63

per-

Perfluoroalkyl- and fluorocarbonyl-hydrazines, 251
Reaction of perfluoro(2,4-dimethyl-3-oxa-2,4-diazapentane) with monohalogenobenzenes, 259
Syntheses of perfluoroalkyl N-polyethoxylated amides, 385
Synthesis:
of perfluoroalkyl steroids as co-emulsifying agents for 1-bromoperfluorooctane and other perfluorocompounds, 365
and reactions of perfluoroalkylether Grignard reagent containing a functional ester group, 299
Perfluoroalkenyl ethers of simple sterols, 409
Perfluoroalkyl esters of sterols and bile acids, 395

Glemser, Prof. Oskar
dedication to, on the occasion of his 75th birthday, 1
list of publications, 7
Grignard reagent
perfluoroalkylether; synthesis and reactions of, containing a functional ester group, 299

Hafnium compounds
thermal decomposition of hydrazinium(2+) hexafluorozirconate(IV) and hexafluorohafnate(IV), 63
Halogeno compounds
fluoro-; sonochemical approach to 3,3,3-trifluoropropionic acids, 241
photochemistry of organohalogeno-compounds; effect of fluorine on photochemical carbon–halogen bond cleavage, 313
reaction of perfluoro(2,4-dimethyl-3-oxa-2,4-diazapentane) with monohalogenobenzenes, 259

Heterocyclic compounds
partially fluorinated; thermolysis reactions of 1,3,4,5,6,7,8-heptafluoro-2-naphthyl prop-2-enyl sulphide and 1,3,4,5,7,8-hexafluoro-2,6-di(prop-2-enylthio)-naphthalene in NN-diethylaniline and related reactions with 1,3,4,5,6,7,8-heptafluoro-1-(prop-2-enyl)naphthalen-2-one and 2,3,4,5,6-pentafluoro-4-(prop-2-enyl)2,5-cyclohexadienone, 117
Hexanoic acid
directed resolution of 2-fluoro-2-methylhexanoic acid, 157
Hydrazides and alkylhydrazides
mass spectra of, of fluorinated alkanecarboxylic acids, 209
Hydrazine
perfluoroalkyl- and fluorocarbonylhydrazines, 251
thermal decomposition of hydrazinium(2+) hexafluorozirconate(IV) and hexafluorohafnate(IV), 63

Imides
bromofluorination of double bonds using N-bromoimides and tetra-*n*-butylammonium fluoride as a source of fluoride, 337
Iminophosphoranes
reactivity of F-alkyl; synthesis of F-alkyl β-diketones, 265
Indolizines
synthesis of, from pyridinium (trifluoroacetyl)methylide and fluorinated dipolarophiles, 275
Iodine compounds
chemistry of iodopentafluoride:
IF_5 as an oxidising fluorinating-agent for elementorganic compounds of As, Sb and Bi, 129
IF_5 – selective oxidising fluorinating-agent for organophosphorus(III) compounds, 73
iron-catalyzed addition reaction of fluoroalkyl iodides to alkenes, 255
Iron
-catalyzed addition reaction of fluoroalkyl iodides to alkenes, 255

Ketones
syntheses of F-alkyl ketones, 421
synthesis of F-alkyl β-diketones; reactivity of F-alkyl iminophosphoranes, 265

Mass spectra
of hydrazides and alkylhydrazides of fluorinated alkanecarboxylic acids, 209

Nickel compounds
preparation and characterization of $Ni(SbF_6)_2$, 287
Nitriles
unsaturated; syntheses with; trifluoromethanesulphenylation of ylidenemalononitrile dimers, 201
Nitroxide
thiazyl-[bis(trifluoromethyl)nitroxide] and tris{thiazyl-[bis(trifluoromethyl)-nitroxide]}, 46

Octane
synthesis of perfluoroalkyl steroids as co-emulsifying agents for 1-bromoperfluorooctane and other perfluorocompounds, 365
Olefins
reactions of trifluoromethylsulphenylfluoride with olefins and fluorolefins, 475
Oligomers
tetrafluoroethene; some reactions of 4-diazo-1,1,1,2,2-pentafluoro-3-pentafluoroethyl-3-trifluoromethylbutane, 191

Pentane
reaction of perfluoro(2,4-dimethyl-3-oxa-2,4-diazapentane) with monohalogenobenzenes, 259
Phosphorus compounds
chemistry of iodopentafluoride; IF_5 – selective oxidising fluorinating-agent for organophosphorus(III) compounds, 73
crystallography and high-resolution solid-state NMR investigations on $K_3F(PO_3F)$, 347
new effective method for synthesis of 1H-F-1-alkene-1-phosphonates from F-alkanoic acid chlorides, 271
preparation of monofluorotrioxophosphoric acid H_2PO_3F from difluorodioxophosphoric acid HPO_2F_2, 229
reaction of F-alkanoic acid chlorides with trialkyl phosphites leading to 1-(dialkoxyphosphinyl)oxy-F-1-alkenephosphonates or 1-(dialkoxyphosphinyl)oxy-1H-F-alkanephosphonates, 323

reactivity of F-alkyl iminophosphoranes; synthesis of F-alkyl β-diketones, 265
Photochemistry
of organohalogeno-compounds; effect of fluorine on photochemical carbon–halogen bond cleavage, 313
of 6-trifluoromethyl-2-cyclohexenone, 105
Polymeric analogues
of electrophilic fluorinating agents of N–F class, 281
Potassium compounds
crystallography and high-resolution solid-state NMR investigations on $K_3F(PO_3F)$, 347
Propionic acids
fluorohalogeno compounds; sonochemical approach to 3,3,3-trifluoropropionic acids, 241
Pyridinium
synthesis of indolizines from pyridinium (trifluoroacetyl)methylide and fluorinated dipolarophiles, 275

Resin
comparison of triboelectric charging of poly(tetrafluoroethylene) and an amine-cured fluoroepoxy resin, 361
Ring contraction
novel; reactions involving fluorine ion, 59

Siloxanes
preparation of fluorinated disiloxanes, 167
Sonochemical approach
to 3,3,3-trifluoropropionic acids; fluorohalogeno compounds, 241
Spectroscopy
crystallography and high-resolution solid-state NMR investigations on $K_3F(PO_3F)$, 347
mass spectra of hydrazides and alkylhydrazides of fluorinated alkanecarboxylic acids, 209
Steroids
synthesis of perfluoroalkyl, as co-emulsifying agents for 1-bromoperfluorooctane and other perfluorocompounds, 365
Sterols
perfluoroalkenyl ethers of simple sterols, 409
perfluoroalkyl esters of sterols and bile acids, 395
Sulphenylation
trifluoromethane-, of ylidenemalononitrile dimers; syntheses with unsaturated nitriles, 201
Sulphur compounds
some new highly substituted trifluoromethyl sulphuranes, 453
partially fluorinated heterocyclic compounds; thermolysis reactions of 1,3,4,5,6,7,8-heptafluoro-2-naphthyl prop-2-enyl sulphide and 1,3,4,5,7,8-hexafluoro-2,6-di(prop-2-enylthio)-naphthalene in NN-diethylaniline and related reactions with 1,3,4,5,6,7,8-heptafluoro-1-(prop-2-enyl)naphthalen-2-one and 2,3,4,5,6-pentafluoro-4-(prop-2-enyl)2,5-cyclohexadienone, 117
reactions of trifluoromethylsulphenylfluoride with olefins and fluorolefins, 475

Thermal decomposition
of hydrazinium(2+) hexafluorozirconate(IV) and hexafluorohafnate(IV), 63
Thermolysis reactions
of 1,3,4,5,6,7,8-heptafluoro-2-naphthyl prop-2-enyl sulphide and 1,3,4,5,7,8-hexafluoro-2,6-di(prop-2-enylthio)-naphthalene in NN-diethylaniline and related reactions with 1,3,4,5,6,7,8-heptafluoro-1-(prop-2-enyl)naphthalen-2-one and 2,3,4,5,6-pentafluoro-4-(prop-2-enyl)2,5-cyclohexadienone; partially fluorinated heterocyclic compounds, 117
Thiazyl
thiazyl-[bis(trifluoromethyl)nitroxide] and tris{thiazyl-[bis(trifluoromethyl)-nitroxide]}, 46
Tin compounds
synthesis of xenon(II) fluorostannates(IV), 233
Triboelectric charging
comparison of, of poly(tetrafluoroethylene) and an amine-cured fluoroepoxy resin, 361

Xenon
synthesis of xenon(II) fluorostannates(IV), 233

Ylidenemalononitrile dimers
syntheses with unsaturated nitriles; trifluoromethanesulphenylation of, 201

Zirconium compounds
thermal decomposition of hydrazinium(2+) hexafluorozirconate(IV) and hexafluorohafnate(IV), 63